

=> d his

(FILE 'HOME' ENTERED AT 17:39:41 ON 07 MAR 2002)

FILE 'REGISTRY' ENTERED AT 17:39:52 ON 07 MAR 2002
ACT BER732P/A

L1 STR
L2 36 SEA FILE=REGISTRY SSS FUL L1

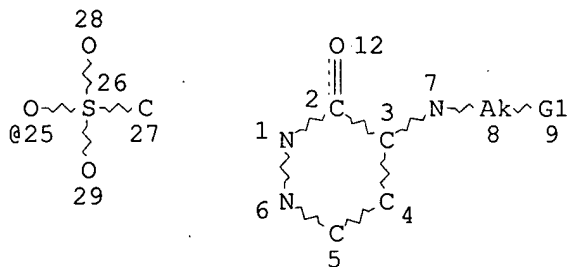
L3 1 S L2 AND N=3 *1 compound*

FILE 'HCAPLUS' ENTERED AT 17:40:26 ON 07 MAR 2002
L4 1 S L3 *1 cite*

FILE 'CAOLD' ENTERED AT 17:41:54 ON 07 MAR 2002
L5 0 S L3 *no cites*

FILE 'BEILSTEIN' ENTERED AT 17:42:22 ON 07 MAR 2002
L6 0 S L1 FUL *no compounds*

=> d. que 14
L1 STR



N~Ak~C
@21 22 23

this is the related
product which
I got rid of by
limiting n=3 in
L3

VAR G1=X/25/21
NODE ATTRIBUTES:
NSPEC IS RC AT 23
NSPEC IS RC AT 27
CONNECT IS E2 RC AT 1
CONNECT IS E2 RC AT 6
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS X5 C AT 8
ECOUNT IS X5 C AT 22

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 18

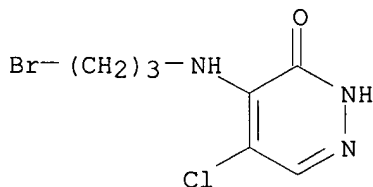
STEREO ATTRIBUTES: NONE
L2 36 SEA FILE=REGISTRY SSS FUL L1
L3 1 SEA FILE=REGISTRY ABB=ON PLU=ON L2 AND N=3
L4 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L3

=> d ibib abs hitstr

FILE ANSWER 1 OF 1 HCAPLUS * COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:795795 HCAPLUS
 DOCUMENT NUMBER: 132:22970
 TITLE: Preparation of 5-chloro-4-[3-[N-[2-(3,4-dimethoxyphenyl)ethyl]methylamino]propylamino]-3(2H)-pyridazinone
 INVENTOR(S): Kotay Nagy, Peter; Simig, Gyula; Barkoczy, Jozsef; Sztruhar, Ilona; Balazs, Laszlo; Doman, Imre; Greff, Zoltan; Ratkai, Zoltan; Seres, Peter; Karancsi, Tamas
 PATENT ASSIGNEE(S): Egis Gyogyszergyar Rt., Hung.
 SOURCE: PCT Int. Appl., 52 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9964402	A1	19991216	WO 1998-HU54	19980605
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9877834	A1	19991230	AU 1998-77834	19980605
EP 1082309	A1	20010314	EP 1998-925869	19980605
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
NO 2000006183	A	20010130	NO 2000-6183	20001205
PRIORITY APPLN. INFO.: WO 1998-HU54 A 19980605				
OTHER SOURCE(S): CASREACT 132:22970; MARPAT 132:22970				
AB Amination of 3,4,5-trichloropyridazine (prepn. given) by H ₂ N(CH ₂) ₃ OH gave a separable mixt. of 5- and 4-aminated derivs. and the latter was converted to the title compd. in 3 addnl. steps.				
IT 252031-70-2P				
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (prepn. of 5-chloro-4-[3-[N-[2-(3,4-dimethoxyphenyl)ethyl]methylamino]propylamino]-3(2H)-pyridazinone)				
RN 252031-70-2 HCAPLUS				
CN 3(2H)-Pyridazinone, 4-[(3-bromopropyl)amino]-5-chloro- (9CI) (CA INDEX NAME)				



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS

BERNHARDT 09/701,732

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ALL ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:795795 HCAPLUS

DOCUMENT NUMBER: 132:22970

TITLE: Preparation of 5-chloro-4-[3-[N-[2-(3,4-dimethoxyphenyl)ethyl]methylamino]propylamino]-3(2H)-pyridazinone

INVENTOR(S): Kotay Nagy, Peter; Simig, Gyula; Barkoczy, Jozsef; Sztruhar, Ilona; Balazs, Laszlo; Doman, Imre; Greff, Zoltan; Ratkai, Zoltan; Seres, Peter; Karancsi, Tamas

PATENT ASSIGNEE(S): Egis Gyogyszergyar Rt., Hung.

SOURCE: PCT Int. Appl., 52 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

App's

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9964402	A1	19991216	WO 1998-HU54	19980605
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9877834	A1	19991230	AU 1998-77834	19980605
EP 1082309	A1	20010314	EP 1998-925869	19980605
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
NO 2000006183	A	20010130	NO 2000-6183	20001205

PRIORITY APPLN. INFO.:

WO 1998-HU54 A 19980605

OTHER SOURCE(S): CASREACT 132:22970; MARPAT 132:22970

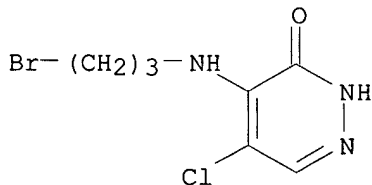
AB Amination of 3,4,5-trichloropyridazine (prepn. given) by H₂N(CH₂)₃OH gave a separable mixt. of 5- and 4-aminated derivs. and the latter was converted to the title compd. in 3 addnl. steps.

IT 252031-70-2P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of 5-chloro-4-[3-[N-[2-(3,4-dimethoxyphenyl)ethyl]methylamino]propylamino]-3(2H)-pyridazinone)

RN 252031-70-2 HCAPLUS

CN 3(2H)-Pyridazinone, 4-[(3-bromopropyl)amino]-5-chloro- (9CI) (CA INDEX NAME)



IT 150800-12-7P

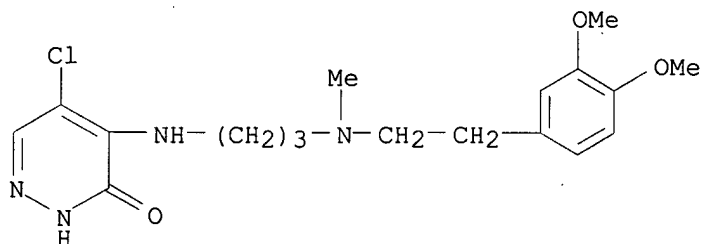
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); **PREP**

(Preparation)

(prepn. of 5-chloro-4-[3-[N-[2-(3,4-dimethoxyphenyl)ethyl]methylamino]propylamino]-3(2H)-pyridazinone)

RN 150800-12-7 HCAPLUS

CN 3(2H)-Pyridazinone, 5-chloro-4-[[3-[[2-(3,4-dimethoxyphenyl)ethyl]methylamino]propyl]amino]- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

* (FILE 'HOME' ENTERED AT 17:06:00 ON 07 MAR 2002)

FILE 'CASREACT' ENTERED AT 17:06:11 ON 07 MAR 2002

L1 STR

L2 0 S L1

~~L3 1 S L1 FUL~~

SAVE L3 BER732CR/A

1 citation (applicant)

FILE 'REGISTRY' ENTERED AT 17:14:04 ON 07 MAR 2002

L4 STR L1

L5 1 S L4

L6 36 S L4 FUL

SAVE L6 BER732P/A

L7 1 S L6 AND N=3

L8 35 S L6 NOT L7

*36 cpds for a str that includes both the reactant & product
1 cpd for RCT
35 cpds for product*

FILE 'HCAPLUS' ENTERED AT 17:29:52 ON 07 MAR 2002

L9 1 S L7/RCT

L10 4 S L8/PREP

~~L11 1 S L9 AND L10~~*1 cite for RCT
4 cites for prep
1 cite for RCT & PREP (same as L3)*

ca plus search

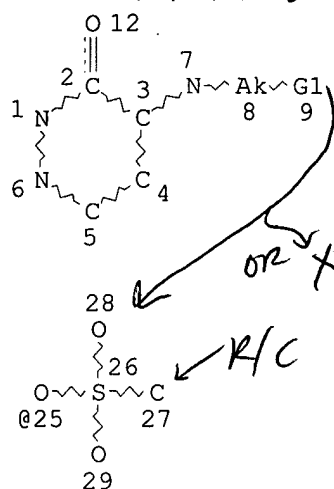
BERNHARDT 09/701,732

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L1 STR

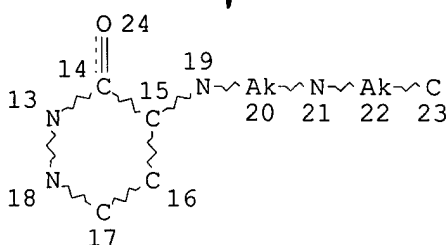
RRT

reactant



PRO

product



VAR G1=X/25
 NODE ATTRIBUTES:
 NSPEC IS RC AT 23
 NSPEC IS RC AT 27
 CONNECT IS E2 RC AT 1
 CONNECT IS E2 RC AT 6
 CONNECT IS E2 RC AT 13
 CONNECT IS E2 RC AT 18
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED
 ECOUNT IS X5 C AT 8
 ECOUNT IS X5 C AT 20
 ECOUNT IS X5 C AT 22

GRAPH ATTRIBUTES:
 RSPEC I
 NUMBER OF NODES IS 27

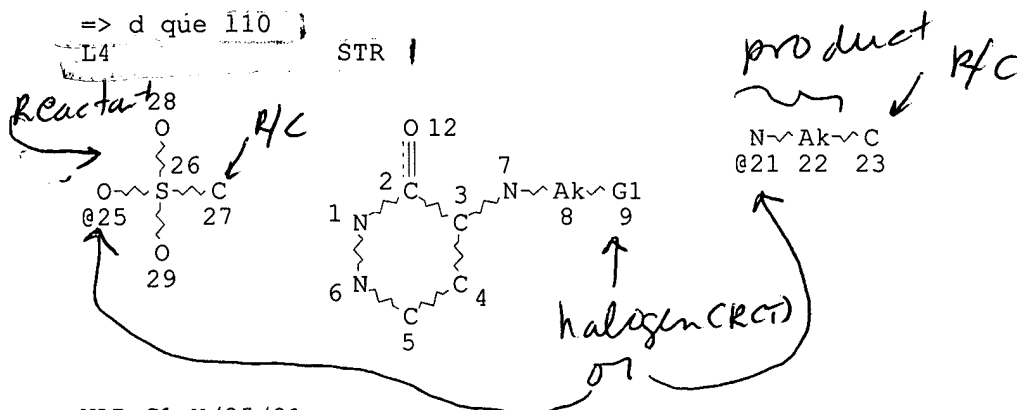
STEREO ATTRIBUTES: NONE

****MAPPINGS****

NOD SYM	ROL	NOD SYM	ROL
7 N	RRT	19 N	PRO
19 N	PRO	7 N	RRT

L3 1 SEA FILE=CASREACT SSS FUL L1 (1 REACTIONS)

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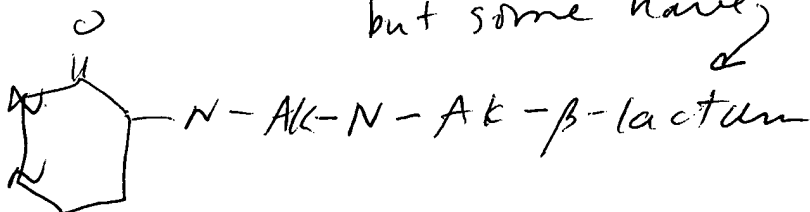
VAR G1=X/25/21
NODE ATTRIBUTES:
NSPEC IS RC AT 23
NSPEC IS RC AT 27
CONNECT IS E2 RC AT 1
CONNECT IS E2 RC AT 6
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS X5 C AT 8
ECOUNT IS X5 C AT 22

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

L6 36 SEA FILE=REGISTRY SSS FUL L4
L7 1 SEA FILE=REGISTRY ABB=ON PLU=ON L6 AND N=3
L8 35 SEA FILE=REGISTRY ABB=ON PLU=ON L6 NOT L7
L10 4 SEA FILE=HCAPLUS ABB=ON PLU=ON L8/PREP

only 1 cpd fits the reactant STR
35 cpds fit the product but some have



casreact

BERNHARDT 09/701,732

=> d ibib abs fcrdref

L3 ANSWER 1 OF 1 CASREACT⁸ COPYRIGHT 2002 ACS

ACCESSION NUMBER: 132:22970 CASREACT

TITLE: Preparation of 5-chloro-4-[3-[N-[2-(3,4-dimethoxyphenyl)ethyl]methylamino]propylamino]-3(2H)-pyridazinone

INVENTOR(S): Kotay Nagy, Peter; Simig, Gyula; Barkoczy, Jozsef; Sztruhar, Ilona; Balazs, Laszlo; Doman, Imre; Greff, Zoltan; Ratkai, Zoltan; Seres, Peter; Karancsi, Tamas

PATENT ASSIGNEE(S): Egis Gyogyszergyar Rt., Hung.

SOURCE: PCT Int. Appl., 52 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

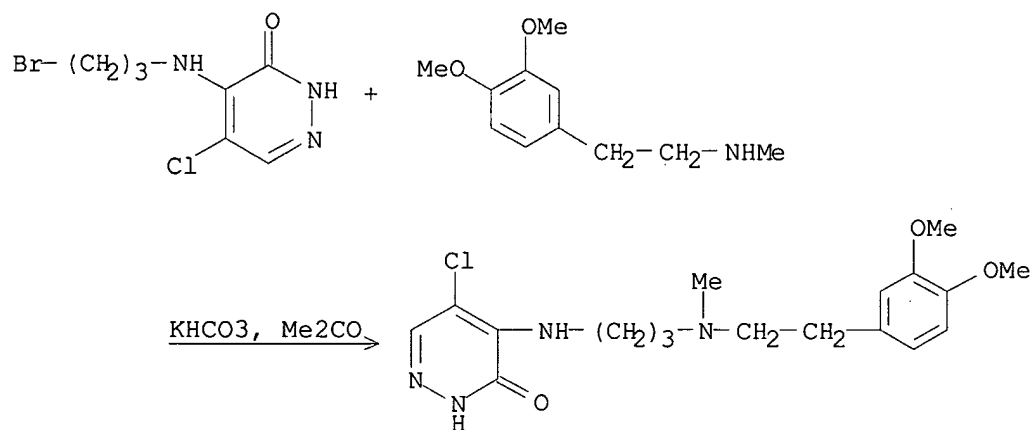
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9964402	A1	19991216	WO 1998-HU54	19980605
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
AU 9877834	A1	19991230	AU 1998-77834	19980605
EP 1082309	A1	20010314	EP 1998-925869	19980605
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
NO 2000006183	A	20010130	NO 2000-6183	20001205
PRIORITY APPLN. INFO.:			WO 1998-HU54	19980605

OTHER SOURCE(S): MARPAT 132:22970

AB Amination of 3,4,5-trichloropyridazine (prepn. given) by H₂N(CH₂)₃OH gave a separable mixt. of 5- and 4-aminated derivs. and the latter was converted to the title compd. in 3 addnl. steps.

Apps

RX(3) OF 15



59%

REF: PCT Int. Appl., 9964402, 16 Dec 1999

REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT